**AMBIKA SHYAM SUNDAR**

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**PROFESSIONAL SUMMARY– DATA ENGINEERING AND SOLUTION ARCHITECT**

Python developer with 3 years of experience in Business Perspective. Well-acquainted with database, data warehouses, and data processing. Knowledgeable in Python frameworks related to data such as Django, Pandas, Data Build tool. Snowflake certified. Currently working as a Senior Data Engineer.

**LANGUAGES AND TOOLS**

* Python-Django Framework
* *Script Languages-* Html, CGI-Python
* *RDBMS* – SQL Server 2005, Sqlite3, AWS Snowflake
* *Languages*- Oracle & PL/SQL, Java, C, C++
* *GUI*- Developer2000 (Forms 6i, Reports6i)
* *Web-Design Languages* - JSP – Servlets ,ASP
* *Operating Systems* – Windows 7,XP,2000
* WEB SERVER(S) – XAMPP Apache tomcat

**A SUMMARY OF SUCCESSFUL ACOMPLISMENT OF PROJECTS AT WORK:**

## Anjane Technologies Period: October 2021 – Till Date

Senior Data Engineer

**StanleyBlack** & **Decker** is the world's largest tool company that offers manufacturer of industrial tools and household hardware and provider of security products. Collaborated with Data Engineers, used Python scripts to load the data into AWS Snowflake database. Involved in processing the streaming data as well as batch data using snowflake stages. Delivering projects with 5-6 days turnaround time.

* Developed mappings, sessions and workflows to extract, validate and transform data according to the business rules.
* Designed database tables to meet business information needs.
* Writing python scripts (using python functions and classes) to load the data into Snowflake.
* Created common reusable code and overlooking coding standards.
* Managed the building and designing of data models using DBT (Data Build Tool), including integrating data sources for Snowflake data warehouse.
* Provided recommendations based on those analytics which significantly affected the company's pricing strategy and product roadmap.
* Designed and developed Pricing Consolidated zone 4 mappings based on business user requirements and business rules to load data from diverse sources.
* Worked on transformations like Rank, Aggregator and joiner strategy.
* Involved in monitoring the workflows and optimizing the load times. Used CDC to simplify ETL.
* Involved in data validation checks during staging (zone data validations)
* Experience in Data migration into Snowflake cloud data warehouse.
* Involved in Data Requirement Analysis, Implementing data warehouse and data migration into snowflake cloud data warehouse and data transformation process using DBT.

Helen Of Troy:

* Migrating Data from Oracle ODI to Cloud Databases (Snowflake)
* Participated in collaborative team designing software and developing a snowflake data ware house.
* Handling Simple/Medium/Complex SDE’s from Oracle ODI’s to Snowflake Datawarehouse.
* Involved in variety of transformations like Slowly Changing Dimensions, Lookup, Derived Column, Union all, Merge.
* Developed models for Staging, Load and Incremental Load’s.
* Part of the Agile/Scrum team and participated in Stand up, planning and respective meetings.
* Cleansed and transformed data to prepare for migration using DBT.
* Involved in Technical Discussions and decisions for Business requirements, Interaction with Business Analysts, Client Team and Development Team.
* Working with Agile environment, to maintain user stories and tasks.
* Worked in Data Validation, resulting in a improvement in data quality.
* Involved in Developing snowflake procedures for executing Insert and Update opertions
* Maintained Naming conventions for the Business Models.

## Real Time Signals Period: January 2019 – October 2021

* Responsible for training students in Basic Python Programming and Django Framework.
* Have created course materials both for classroom and online along with assignments and test materials.
* Have guided few institutes in my locality with my learning materials of python . Have provided professional online test through Scout Live Portal and Work closely with the technology to develop overall technology learning and development.
* Demonstrate in an efficient, effective and timely approach to understand programming concept

## Acengage Period: January 2018 – January 2019

* Responsible toDevelop automation of tasks using macros and Excel packages
* Create and update automated scripts for charts, and data tables monthly.
* Knowledge in specific data base/reporting work experience
* Participate in requirements gathering sessions to understand, capture and validate new requirements for development/modifications/enhancements

## United Capital Club Period: January 2017 – December 2017

* Responsible for posting ads in the internet, getting responses from the clients
* Fixing appointment for them for the Orientation
* Fixing up the Joinees
* Fixing Tourism clients by posting ads in the internet.
* Digital Marketing

## GTRE, DRDO Period: July 2008-June 2009

Responsible for the development of prototype software, using LabView, for the Simulation of Gas Turbine Engine Run test. Executed Network testing environment using TCP/IP protocol and Data Socket Server.

Tools Used:

* TCP/IP Networking tool
* Web Publishing Tool
* Remote Panel manager tool
* Report Generation Tool

## DARE, DRDO Period: Sep 2006 – Jan 2008

* **Augmentation of the Central Server and Repository (DRONA Server):**

DARE maintains Webpages for the entire DRDO labs around India using a central server called “DRONA”. Thus, enabling a single point Updation, which is administrated and maintained through the DRONA Project

* Employee Data Base Management - VB 6.0 WITH ORACLE 9i, VBA with Excel, SQL SERVER 2000, SQL SERVER 7.0

### Implementation of Human Resource Management Information Systems, Library management

* Developer 2000 and Oracle and PL/SQL Programming.
* Automation of DARE HRMIS, Library Process and transactions and Thus enabling a single point management
* Creation of the database structure by effective use of Oracle-9i.Excellent usage of some of the advanced features like Cursors, procedures, functions, packages, and database triggers in Oracle and PL/SQL
* Efficient creation of the user interface (UI) forms using Forms 6i and reports using Reports 6i

**Networking Tasks*:***

* + Designing and implementation of the organization’s network infrastructure
  + Installed and configured workstations for IP based LAN
  + Successful creation of user accounts on the Windows 2003 server (Enterprise edition)
  + Managing User accounts using Active Directory and providing secure extension of network operations to the web.
  + Automation of Network management of user data, security, distributed resources and enabling the interoperation with the other directories.
  + Provided training to staff on TPS systems (Routers and Firewall)
  + Configuration of the organization wide Microsoft outlook for Intranet Mail Facility

**Web Based Programming - ASP and ORACLE 9i, SQL SERVER 2000,7.0:**

## IEP Period: MAY 2005 – MAY 2006

### 1. Database Management/Maintenance for Pan Application Process

* Played a mission critical role in trouble shooting and resolving issues pertaining to Process Workflow (PAN Application – Data Base Management/Maintenance)
* Architecting of the process flow for processing of all PAN applications done through a user interface, designed using VB 6.0 with Sql-Server2000 as backend interface
* Efficient handling of all networks related issues during the process workflow
* In charge of Production Management and client interactions in Karnataka and effective coordination to address issues with NSDL, Mumbai
* **SQL SERVER 7.0, 2000, 2005 AND VB 6.0 ,Oracle and Pl/SQL**

## SAMPARK INFO SOLUTIONS Period: NOV 2004 – MAY 2005

* Responsible for gathering business requirements, writing technical specifications, scope releases, managing development with other departments such as Material Management and HRMS and Quality Assurance
* Analysing work for the Marketing Domain (Implementation of ERP strategies to attain a complete business solution prior to the Business specification)
* Adding intelligence to the client’s business using Java Swings

The work involved compiling of a comprehensive project status report, which also involved development of the project plans. Actively led product demonstrations, and presenting of design proposals both internally and to the customer

**ACADEMICS**

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| --- | --- | --- | --- | --- |
| **Degree** | **%** | **Period** | **Institution** | **Board / University** |
| B.E  (Comp. Science) | 78.2 | 2000 – 2004 | M.A.M College of Engineering, Trichy | Bharathidasan University |
| HSC | 86.9 | 1997 – 1999 | Town Higher Secondary School, Kumbakonam | Tamil Nadu State Board |
| SSLC | 91.4 | 1996 – 1997 | Town Higher Secondary School, Kumbakonam | Tamil Nadu State Board |